

High Torque Timing Pulleys - 8YU

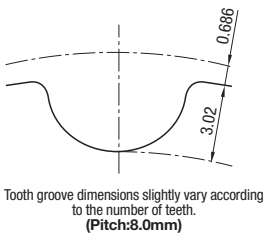
For Super High Torque Timing Belts (compatible EV8YU belts), see **P.1461** and for Idlers with Teeth, see **P.1453**.



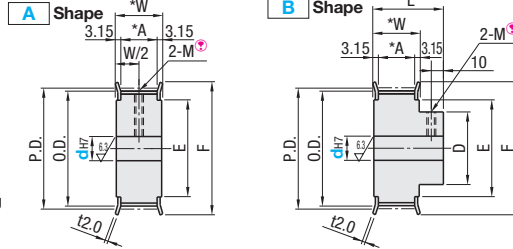
Type	Belt Width			Material*		Surface Treatment	Accessory* Set Screws
	15mm	20mm	25mm	Pulley	Flange		
GPA	●	●	●	Aluminum Alloy	Aluminum Alloy	Clear Anodize	SUS304
GPT	●	●	●	S45C Equivalent	SPCC	Black Oxide	Chrome Molybdenum Steel (Black Oxide)
GPM	●	●	●				

Flange is installed, and set screws are included with Shaft Bores P and N. *The above material and accessory might be changed to the ones equivalent to the originals.

Standard Tooth Profile



Pulley Shape



Tapped Hole Dimensions (Shaft Bore Specs.: P, N)

dh7 Shaft Bore I.D.	M (Coarse)	Accessory Set Screws
16~17	M5	M5x4
18~30	M6	M6x5
31~45	M8	M8x6
46~65	M10	M10x8

Shaft Bore Specs. H (Round hole), V or F (Stepped Hole) and Y (Both Sides Stepped Hole) do not have tapped holes.

Number of Teeth / Dimension

mm	Number of Teeth															
	20	22	24	25	26	28	30	32	34	36	38	40	44	48	50	60
P.D.	50.93	56.02	61.12	63.66	66.21	71.30	76.39	81.49	86.58	91.67	96.77	101.86	112.05	122.23	127.32	152.79
O.D.	49.56	54.65	59.75	62.29	64.84	69.93	75.02	80.12	85.21	90.30	95.40	100.49	110.68	120.86	125.95	151.42
D	36	40	44	46	48	52	56	60	64	68	72	74	78	80	82	88
F	62	64	70	72	75	80	85	90	95	100	105	110	121	131	136	161
E	40	45	50	52	54	59	64	69	74	79	84	89	99	109	114	140

Belt Nominal Width / Dimension

mm	Nominal		
	YU8150	YU8200	YU8250
A	16.7	21.7	26.7
W	23.0	28.0	33.0
L	43.0	48.0	53.0

Shaft Bore Specs.

Surface treatment may not be applied to shaft bores.

H Round Hole

No tapped holes or set screws.

P Round Hole + Tap

For A-Shape pulley, the screw holes are set at around 120° to keep away from peaks.

N New JIS Keywayed Bore + Tap

For Keyway Dimension Details, see P.1377.

V Stepped Hole

GPA is not applicable. No tapped holes or set screws.

F Stepped Hole

(Counterbored Holes on the Hub Side)

GPA is not applicable. No tapped holes or set screws.

Y Both Ends Stepped Hole

GPA is not applicable. Applicable to Shape A only. Shaft Bore Dia. d is +0.1 / 0. No tapped holes or set screws. Q (R) - Y ≥ 2

Part Number		Pulley Shape																				
Type	Number of Teeth	Type Nominal Width	Pulley Shape	A							B											
				Shaft Bore Specifications (-): Specify in 1mm Increment, (,): Select the former or latter							Shaft Bore Specifications (-): Specify in 1mm Increment, (,): Select the former or latter											
				H Round Hole	P Round Hole + Tap	N Keyway + Tap	V Stepped Hole	Y Both Ends Stepped Hole	H Round Hole	P Round Hole + Tap	N Keyway + Tap	V Stepped Hole	Y Both Ends Stepped Hole	H Round Hole	P Round Hole + Tap	N Keyway + Tap	V Stepped Hole	Y Both Ends Stepped Hole				
Aluminum GPA	20	YU8150	A	16-32	16-28	16-21	16-30	18-32	16-30	18-32	16-32	16-28	16-21	16-30	18-32	16-30	18-32	16-32	16-28	16-21	16-30	18-32
	22			16-37	16-29	16-26	16-35	18-37	16-35	18-37	16-37	16-24	16-22	16-30	18-34	16-35	18-37	16-37	16-24	16-22	16-30	18-34
	24			16-42	16-34	16-30	16-40	18-42	16-40	18-42	16-42	16-28	16-24	16-38	18-40	16-40	18-42	16-42	16-28	16-24	16-38	18-40
	25			16-48	16-36	16-30	16-46	18-48	16-46	18-48	16-48	16-30	16-26	16-40	18-42	16-46	18-48	16-48	16-30	16-26	16-40	18-42
	26			16-50	16-38	16-30	16-48	18-50	16-48	18-50	16-50	16-32	16-28	16-44	18-45	16-48	18-50	16-50	16-32	16-28	16-44	18-45
	28			16-52	16-42	16-30	16-50	18-52	16-50	18-52	16-52	16-35	16-30	16-43	18-46	16-50	18-52	16-52	16-35	16-30	16-43	18-46
	30			16-59	16-45	16-30	16-57	18-59	16-57	18-59	16-59	16-39	16-30	16-48	18-50	16-57	18-59	16-59	16-39	16-30	16-48	18-50
	32			20-59	20-48	20-30	20-57	22-59	20-57	22-59	20-59	20-42	20-30	20-48	22-50	20-57	22-59	20-59	20-42	20-30	20-48	22-50
	34			20-67	20-52	20-30	20-65	22-67	20-65	22-67	20-67	20-45	20-30	20-54	22-56	20-65	22-67	20-67	20-45	20-30	20-54	22-56
	Steel GPT GPM			24	YU8250	B	20-72	20-58	20-30	20-70	22-72	20-70	22-72	20-72	20-48	20-30	20-60	22-62	20-70	22-72	20-72	20-48
36		20-76	20-62	20-30			20-74	22-76	20-74	22-76	20-76	20-52	20-30	20-62	22-64	20-74	22-76	20-76	20-52	20-30	20-62	22-64
38		25-80	25-65	25-30			25-80	27-82	25-75	27-82	25-80	25-54	25-30	25-64	27-66	25-75	27-82	25-80	25-54	25-30	25-64	27-66
44		25-80	25-65	25-30			25-80	27-92	25-75	27-92	25-80	25-56	25-30	25-66	27-68	25-75	27-92	25-80	25-56	25-30	25-66	27-68
48		25-80	25-65	25-30			25-80	27-95	25-75	27-95	25-80	25-58	25-30	25-68	27-70	25-75	27-95	25-80	25-58	25-30	25-68	27-70
50		25-80	25-65	25-30			25-80	27-95	25-75	27-95	25-80	25-60	25-30	25-70	27-72	25-75	27-95	25-80	25-60	25-30	25-70	27-72
60		30-80	30-65	30			30-80	32-95	30-75	32-95	30-80	30-65	30	30-72	32-74	30-75	32-95	30-80	30-65	30	30-72	32-74

Ordering Example (Shaft Bore Specs.: H, P, N) **Part Number** - **Pulley Shape** - **Shaft Bore Specs., I.D.** - **Z** - **J** - **Q** - **R** - **S** - **T**

(Shaft Bore Specs.: V, F) **GPT36YU8200** - **B** - **V20** - **Z24** - **J20.0**

(Shaft Bore Specs.: Y) **GPM40YU8250** - **A** - **Y30** - **Q34** - **R38** - **S10** - **T15**